



Mistral / Mistral

DATA FOR 2016 (standard update)

"Mistral" / Mistral (BPC Russe)

"Vladivostok"

"Sevastopol"



Landing helicopter-carrying ship-dock (LVKD) / universal landing ship-helicopter carrier / VRS (Bâtiments de Projection et de Commandement - projection and command ship). The development of the ship project began in 1997 as part of the research into the concept of a national ship for amphibious landing operations - CNOA (Concept National des Operations Amphibies, France). The purpose of the ship is to land military units, provide helicopter flights, act as a command center for operations of various forces, and serve as a hospital ship. On December 24, 2010, an agreement was announced with a consortium consisting of the French company DCNS and the Russian USC. When transferring the ships, France will transfer to the Russian side all the technologies it was interested in. The protocol of intent was signed on June 10, 2011 in Paris, the signing of the final contract took place within the framework of the St. Petersburg International Economic Forum on June 17, 2011. According to the agreement, it is planned to build two helicopter carriers in France and two in Russia. Also, the Baltic Shipyard (St. Petersburg) was ordered to build some of the hull sections and the first two ships of the series (12 block sections of the aft parts of the ships). On October 1, 2012, the Baltic Shipyard officially began building the Russian part of the sections of the lead ship for the Russian Navy - Vladivostok.

The design of the ship variant for the Russian Navy (BPC Russe) is being carried out in two stages. The first stage - the preliminary design - was completed in April 2012. The technical design of the ship is to be completed in September 2012. The project provides for modification to accommodate Russian aviation equipment, Russification of user interfaces and adaptation of the ship and flight deck for winter operation (electric heating of the deck, etc.).



Landing helicopter-carrying ship-dock "Vladivostok" - Mistral-type landing ship for the Russian Navy. France, Saint-Nazaire, 21.10.2013 (photo - brunoh, <http://www.shipspotting.com/>).

Author: DIMMI

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pr.11711 - IVAN GREN

DATA FOR 2015 (standard update)

Project 11711 - IVAN GREN

"Ivan Gren"

"Peter Morgunov"



Large landing ship (LDK). The ship design was developed by the Nevskoye Design Bureau (Nevskoye PKB, St. Petersburg). The design of the ship was started according to the technical specifications of the Russian Navy in 1998. According to the original plan, it was supposed to create a ship of small displacement, capable of carrying out transitions by inland waterways. This requirement was removed by the Navy at the design stage and the ship moved to the class of large landing ships (LDK) with a displacement of over 5,000 tons with the ability to transport a reinforced company of marines with equipment, as well as with the basing of two Ka-29 landing and transport helicopters on the ship and giving it the ability to contactlessly land equipment on the shore through pontoons carried on the ship. The technical specifications for the design changed three times, the design was carried out for 6 years.

The lead ship of Project 11711 "Ivan Gren" was laid down at the Baltic Shipyard "Yantar" (Kaliningrad) on December 24, 2004. In total, five ships of the project were planned for the Russian Navy as of 2008. In early 2012, the construction of a ship of Project 11711 was named among the unfulfilled orders in 2011 under the State Defense Order. During the construction of the lead ship of the project, 22 changes were made to the project and the ship under construction at the request of the Navy (source - Glukhov D...).

In November 2012, a new contract is expected to be signed between USC and the Russian Ministry of Defense for the completion of the Ivan Gren large landing ship.

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pr.1178

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BDK "Ivan Gren" pr.11711 at the Yantar Shipyard, Kaliningrad, 05.24.2012 (photo by I.A. Mikhailov, <http://forums.airbase.ru>).

Author: [DIMMI](#)

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[pr.21820 Dugong - DYUGON](#)

DATA AS OF 2015 (standard replenishment)

project 21820 "Dyugong" - DYUGON

D-105 "Ataman Platov"

"Denis Davydov"

"Ivan Kartsov"

"Lieutenant Rimsky-Korsakov"

"Midshipman Lermontov"

★★★★

Landing craft on an air cavity. The project was developed by the "Central Design Bureau for Hydrofoil Vessels named after R.E. Alekseev" (Nizhny Novgorod). In 1998, the Central Design Bureau for Hydrofoil Vessels developed a project for a large high-speed landing craft "Shelf". It was planned to complete the development of the boat and create the lead model by 2000. The lead boat of the D-105 project was laid down at the Volga Shipyard in Nizhny Novgorod on February 21, 2006, launched in July 2009 and accepted into the Caspian Flotilla of the Russian Navy in 2010.

On June 23, 2011, a contract was signed between the Russian Ministry of Defense and the Yaroslavl Shipyard for the production of a series of boats of Project 21820. The first serial boat "Denis Davydov" (plant no. 701) was laid down on January 18, 2012.



Landing craft D-105 "Ataman Platov" project 21820, photo no later than 2009 (<http://forums.airbase.ru>).

Author: [DIMMI](#)

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[Project 12322 Bison - POMORNIK](#)

DATA AS OF 2014 (standard replenishment)

pr.12322 "Zubr" - POMORNIK



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pr.12322E
pr.958 "Bison" (Ukraine)



Small landing craft on an air cushion. Development of the landing craft on an air cushion (LHC) was started in 1978 by the Almaz Central Marine Design Bureau. The new LHC project was created using the developments of the LHC of Project 12321 "Dzheyran". The preliminary design was developed by the Deputy Chief Designer of the Almaz Central Marine Design Bureau G.D.Koronatov. The chief designers of Project 12322 are L.V.Ozimov, Yu.M.Mokhov and Yu.P.Semenov. The lead LHC of Project 12322 MDK-51 entered service with the Navy in 1988. The design of the serial ships of the project differs in modifications.

As of 2014 (and earlier), the LHC of Project 12322 "Zubr" is the largest LHC in the world.



Exit from the water of the hovercraft project 12322 "Zubr" of the Russian Navy (<http://belostokskaya.ru>).

Author: [DIMMI](#)

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pr.10200 Khalzan

DATA AS OF 2010 (standard replenishment)

pr.10200 "Khalzan"

pr.10200M



Anti-submarine warfare helicopter carrier, landing helicopter carrier (project). Development of an anti-submarine warfare helicopter carrier based on the Project 1609 high-speed civilian container ship-ro-ro was initiated by Admiral N.N. Amelko, Deputy Chief of the General Staff of the USSR Armed Forces, in 1978 after the Argus research project, also initiated by him, was completed (study of an integrated anti-submarine system, including the possibility of building inexpensive anti-submarine warfare helicopter carriers based on civilian vessels, A.N. Krylov Central Research Institute, research director V.V. Dmitriev). Project 1609 Kapitan Smirnov ship (lead ship, 1978, only 4 built) with a gas turbine power plant consisting of 2 x GGTA M25 with a waste-heat circuit and a capacity of 25,000 hp each, on each of the two shafts, deadweight 20,000 tons, full displacement 35,000 tons, length 203 m, width 30 m, side height 21 m, draft 9.9 m and speed of 26 knots were built at the Kherson Shipyard. The terms of reference for the creation of the Project 10200 helicopter carrier were prepared in 1977. The Resolution of the Council of Ministers of the USSR dated 21.04.1977 planned the construction in 1981-1990 of a series of 4 ships of the project on slipway No. 1 of the Shipyard in Nikolaev as part of a series of ro-ro ships of Project 1609 with parallel construction on slipway No. 0 of a series of aircraft carriers of Project 1143 with gradual improvement of the project.



Helicopter carrier pr.10200 "Khalzan" (Babich V.V., The City of St. Nicholas and its Aircraft Carriers. Nikolaev, "Atoll", 2007)

Author: [DIMMI](#)

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pr.1178 Kherson (project)

DATA AS OF 2010 (standard replenishment)

project 1178 / 11780 "Kherson" (project)

"Kherson" (not laid down)

"Kremenchuk" (not laid down)



Aircraft-carrying universal landing ship-dock (project). Developed by Nevskoe Design Bureau, development began before 1986. The project had the unofficial name "Ivan Tarava". The ship was initially designed in landing, anti-submarine and VTOL aircraft versions. Later, the aircraft version was abandoned. The construction of two ships of the project - "Kherson" and "Kremenchug" - was supposed to be carried out on the slipway "1" of the Black Sea Shipyard (Nikolaev) in 1991-1995. The labor intensity of the ship's production was 13 million man-hours, which called into question the production of aircraft carriers of projects [1143.5](#) and [1143.7](#) at the same shipyard. Development was terminated at the design stage.



Variant of the aircraft-carrying universal ship-dock "Kherson" project 11780 (photo from the archive of Denis KA, <http://forums.airbase.ru>)

Author: [DIMMI](#)

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